OIPE JC151
OCT 1 3 2004
PATENT & TRADEMARK OFFICE

2122

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application No.	09/886,459
Filing Date	June 20, 2001
First Named Inventor	Kenneth Hines
Art Unit	2122
Examiner Name	Kuo Liang J. Tang
Attorney Docket Number	42390P18904

Total Number of Pages in This Submission

ENCLOSURES ***(check all that apply)***

- [x] Fee Transmittal Form
  - [x] Fee Attached
- [ ] Amendment / Response
  - [ ] After Final
  - [ ] Affidavits/declaration(s)
- [ ] Extension of Time Request
- [ ] Express Abandonment Request
- [x] Information Disclosure Statement
  - [x] PTO/SB/08
- [ ] Certified Copy of Priority Document(s)
- [ ] Response to Missing Parts/ Incomplete Application
  - [ ] Basic Filing Fee
  - [ ] Declaration/POA
- [ ] Response to Missing Parts under 37 CFR 1.52 or 1.53
- [ ] Drawing(s)
- [ ] Licensing-related Papers
- [ ] Petition
- [ ] Petition to Convert a Provisional Application
- [ ] Power of Attorney, Revocation Change of Correspondence Address
- [ ] Terminal Disclaimer
- [ ] Request for Refund
- [ ] CD, Number of CD(s)
- [ ] After Allowance Communication to Group
- [ ] Appeal Communication to Board of Appeals and Interferences
- [ ] Appeal Communication to Group **(Appeal Notice, Brief, Reply Brief)**
- [ ] Proprietary Information
- [ ] Status Letter
- [x] Other Enclosure(s) *(please identify below):*

Copies of 24 Cited refs.
Check in the amount of $180.00
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Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Paul A. Mendonsa, Reg. No. 42,879 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	Paul A Mendonsa
Date	October 8, 2004

CERTIFICATE OF MAILING/TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Typed or printed name	**Kristin A. Morrow**		
Signature	Kristin A. Morrow	Date	**October 8, 2004**

Based on PTO/SB/21 (04-04) as modified by Blakely, Sokoloff, Taylor & Zafman (wlr) 06/04/2004.
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OCT 13 2004
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FEE TRANSMITTAL for FY 2004

Effective 01/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT ($) 180.00

Complete if Known	
Application Number	09/886,459
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First Named Inventor	Kenneth Hines
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Art Unit	2122
Attorney Docket No.	42390P18904

METHOD OF PAYMENT *(check all that apply)*

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None
☐ Deposit Account

Deposit Account Number: 02-2666

Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

The Commissioner is authorized to: *(check all that apply)*

☐ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) or underpayment of fees as required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.
☐ Charge fee(s) indicated below, **except for the filing fee** to the above-identified deposit account

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	Fee Description	Fee Paid
1001	790	2001	395	Utility filing fee	
1002	350	2002	175	Design filing fee	
1003	550	2003	275	Plant filing fee	
1004	790	2004	395	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) ($)

2. EXTRA CLAIM FEES

			Extra Claims		Fee from below		Fee Paid
Total Claims		- 20** =		X		=	
Independent Claims		- 3 =		X		=	
Multiple Dependent						=	

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	88	2201	44	Independent claims in excess of 3
1203	300	2203	150	Multiple Dependent claim, if not paid
1204	88	2204	44	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) ($)

***or number previously paid, if greater, For Reissues, see below*

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
2053	130	2053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for *ex parte* reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	430	2252	215	Extension for reply within second month	
1253	980	2253	490	Extension for reply within third month	
1254	1,530	2254	765	Extension for reply within fourth month	
1255	2,080	2255	1,040	Extension for reply within fifth month	
1404	340	2401	170	Notice of Appeal	
1402	340	2402	170	Filing a brief in support of an appeal	
1403	300	2403	150	Request for oral hearing	
1451	1,510	2451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,370	2453	685	Petition to revive - unintentional	
1501	1,370	2501	685	Utility issue fee (or reissue)	
1502	490	2502	245	Design issue fee	
1503	660	2503	330	Plant issue fee	
1460	130	2460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	790	1809	395	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	790	2801	395	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify)					

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) ($) 180.00

SUBMITTED BY

Complete (if applicable)

Name *(Print/Type)*	Paul A. Mendonsa	*Registration No. (Attorney/Agent)*	42,879	*Telephone*	(503) 439-8778
Signature				*Date*	10/08/04

Based on PTO/SB/17 (10-03) as modified by Blakely, Sokoloff, Taylor & Zafman (wlr) 02/10/2004.
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OIPE JC151
OCT 1 3 2004
PATENT & TRADEMARK OFFICE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

KENNETH HINES

Application No.: 09/886,459

Filed: June 20, 2001

For: **Data Structure and Method for Detecting Constraint Conflicts in Coordination-Contric Software Systems**

Art Group: 2122

Examiner: Kuo Liang J. Tang

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed for applications filed after June 30, 2003). This IDS and IDS Citation Form are being submitted before the mailing of a final Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

10/14/2004 CCHAU1 00000175 09886459
01 FC:1806 180.00 OP

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

The fee set in the amount of $180.00 for submission of the Information Disclosure Statement is enclosed herewith. Please charge any additional fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Date: October 08, 2004

Paul A. Mendonsa, Reg. No. 42,879

12400 Wilshire Boulevard, 7th Floor
Los Angeles, CA 90025
Telephone: (503) 439-8778

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10-08-04

Kristin A. Morrow ***Date***

PTO/SB/08A(10-01)
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known	
Application Number	09/886,459
Filing Date	June 20, 2001
First Named Inventor	HINES, Kenneth
Group Art Unit	2122
Examiner Name	TANG, Kuo Liang

Sheet 1 of 2

Attorney Docket No: 42P18904

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T^2

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No [1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T^2
		"COBRA Overview", (July 1995),2-1 and 18-5	
		BAECKER, R , et al., "Software visualization for debugging", CACM Vol. 40, No. 4, (April 1997),44-54	
		BATES, P.C. , "Debugging programs in a distributed system environment", Ph.D. Thesis, University of Massachusetts, Amherst, (1986),	
		BATES, P.C. , et al., "High-level debugging of distributed systems: The behavioral abstraction approach", The journal of systems and software, Vol. 3, No. 4, (Dec. 1983),255-264	
		BRUEGGE, B , "A portable platform for distributed event environments", ACM/ONR Workshop on Parallel & Distributed Debugging, (1991),184-193	
		CHOU, PAI , et al., "Control generation for embedded systems based on composition of modal processes", 410-415	
		EDWARDS, STEPHEN , et al., "Design of embedded systems: Formal models, validation, and synthesis", Proceedings of the IEEE, Vol. 85, No. 3, (03/01/1997),366-389	
		FIDGE, C J., "Logical time in distributed computing systems", IEEE Computer, 24(8), (1991),28-33	
		HARTER, JR., P K., et al., "IDD An interactive distributed debugger", Proc. of the 5th international conference on distributed computing systems, (1985),498-506	
		HINES, K , et al., "Debugging distributed implementations of modal process systems", Lecture Notes in Computer Science 1474, (1998),98-107	
		HODGES, W , "POSITION PAPER", DARPA WORKSHOP ON MODEL-BASED METHODS FOR EMBEDDED SOFTWARE CREATION, (1999),3 PAGES	
		KHOUZAM, M , et al., "Single stepping in event-visualization tools", In processing of the 1996 CAS conference, (1996),103-114	
		KOEHNEMANN, H , et al., "Towards target-level testing and debugging tools for embedded software", Conference Proceedings on Tri-ADA '93, (1993),288-298	
		KUNDA, J , "Integrating event- and state-based approaches to the debugging of parallel programs", Ph.D. thesis, University of Massachusetts, Amherst, (1996),	
		KUNZ, T , "Abstract behavior of distributed executions with applications to visualization", Ph.D. thesis, Technische Hochschule Darmstadt, Germany, (1994),	

EXAMINER **DATE CONSIDERED**

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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OIPE JC151 OCT 13 2004 PATENT & TRADEMARK OFFICE

Complete if Known	
Application Number	09/886,459
Filing Date	June 20, 2001
First Named Inventor	HINES, Kenneth
Group Art Unit	2122
Examiner Name	TANG, Kuo Liang

Sheet 2 of 2

Attorney Docket No: 42P18904

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No [1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
		MATTERN, F , "On the relativistic structure of logical time in distributed systems", Parallel and distributed algorithmns, (1989),	
		NETZER, RH B., et al., "Adaptive message logging for incremental program replay", IEEE Parallel and distributed technology, (1993),32-39	
		SHENDE, S , et al., "Event and state-based debugging in TAU: a prototype", Symposium on parallel and distributed tools, (1996),21-30	
		SIDE, R S., et al., "A debugger for distributed programs", Software - Practice and Experience, Vol. 24(5, (1994),507-525	
		TAYLOR, D J., "A prototype debugger for hermes", Proceedings of the 1992 CAS conference, (1992),313-326	
		TAYLOR, D J., "Event Displays for Debugging and Managing Distributed Systems", International Workshop on Network and Systems Management, (1995),	
		TSAI, JJ P., et al., "A noninvasive architecture to monitor real-time distributed systems", IEEE Computer, 23, (1990),11-23	
		VALOT, C , "Characterizing the acuracy of distributed timestamps", ACM/ONR Workshop on Parallel & Distributed Debugging, (1993),43-52	
		ZERNIK, D , et al., "Using visualization tools to understand concurrency", IEEE Software, 9(3), (1992),87-92	

EXAMINER **DATE CONSIDERED**

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